



Main Features

- PV-coupled battery storage solution. Enable battery directly to connect to solar route.
- Highly adaptive to most solar inverters.
- No additional storage inverter is needed. Higher efficiency of PV energy utilisation.
- Easy to retrofit, no change on AC wirings.
- Modular design, a single module weighs < 30kg and supports single person installation.



Specifications

Type	vLight-7	vLight-10	vLight-14	vLight-17	vLight-20 ⁽¹⁾
Input (PV Port)					
PV maximum input voltage	1000 V d.c.				
PV maximum input current	27 A d.c.				
Maximum short circuit current-Isc	36 A d.c.				
Number of PV string	1				
Output (Inverter Port)					
Output voltage range	360-900 V d.c.				410-900 V d.c.
Maximum continuous output current	27 A d.c.				
Battery					
Battery cell type	LFP				
Operating voltage range	108.0-129.6 V d.c.	162.0-194.4 V d.c.	216.0-259.2 V d.c.	270.0-324.0 V d.c.	324.0-388.8 V d.c.
Battery energy	6.9 kWh	10.3 kWh	13.8 kWh	17.2 kWh	20.7 kWh
DOD	90%				
Rated power ⁽²⁾	≥2.7 kW	≥4.1 kW	≥5.4 kW	≥6.8 kW	≥8.1 kW
Maximum output power ⁽³⁾	3.2 kW	4.8 kW	6.4 kW	8.0 kW	9.6 kW
Maximum discharge/charge current	25 A d.c.				
Pack dimensions (W*D*H, mm)	795x218x767	795x218x959	795x218x1150	795x218x1342	795x218x1533
General Parameter					
Weight	80.7 kg	109.7 kg	138.7 kg	167.7 kg	196.7 kg
Protective class	I				
Operating temperature range	-20°C to +50°C (power derating above 45°C)				
Operating humidity	5%-95% RH				
Maximum operating altitude	2000 m				
Protection level	IP55				
Converter weight	19.2 kg				
Converter dimensions (W*D*H, mm)	798x220x335				
Communication method	Dongle/RS485				
Noise	≤30 dB				
Compliance					
Standard	IEC/EN 62109-1, IEC/EN 62477-1, IEC/EN 62619, IEC/EN 63056, UN38.3				
Certificates	CE/CB/TUV MARK				
EMC	EN 61000-6-1, EN 61000-6-3				

(1) vLight-20 is only applicable to three-phase inverters.

(2) The maximum continuous output power of the battery before reaching the discharge cut-off voltage.

(3) The maximum output power when the battery is fully charged.